CHAPTER 3:

Evaluating Wastewater Releases

The **CLEAN WATER ACT** (CWA) regulates discharges of pollutants to waters in the U.S. The CWA makes it unlawful for any person or facility to discharge any pollutant directly into navigable waters (unless a National Pollutant Discharge Elimination System (NPDES) permit is obtained). Most printers discharge their process waste water to their local sewer system, which in turn is managed by their local sewage treatment plant, called a **publicly owned treatment works** (POTW). The POTW sets minimum requirements for wastewater discharge, and treats wastewater before discharging it to surface waters. No NPDES permit is required if discharging to POTW.

Block off all Floor Drains

To ensure no chemicals are inadvertently discharged to either the sewer or a septic system, all floor drains should be closed off. This will prevent any inside spills from entering your water discharge system.

No Discharges to Septic System are Allowed

No industrial wastewater is allowed to be discharged to a septic system. Industrial wastewater includes rinsewater, developer, treated fixer, aqueous-based plate making chemistry, fountain solution, press wash water-buckets, etc. Only sanitary wastewater may be discharged to a septic system.

If you currently are discharging any industrial wastewater to a septic system, ***STOP IMMEDIATELY***. You are in violation of the Clean Water Act. Arrange to have all your industrial wastewater shipped offsite with a proper waste hauler.

Best Management Practices

See Table 2 at the end of this chapter for recommended wastewater best management practices for printing facilities.

Your Current Status

PrintSTEP defines wastewater as industrial process wastewater. It includes non-sanitary wastewater discharged from a particular point or pipe. It does not include wastewater from non-contact cooling, storm water, or sanitary systems. Check the box that corresponds to how you discharge your wastewater:

Check one:	Facility Wastewater Status	Go to here in this Workbook	Amount of Public Involvement
☐	Facility is connected to septic system, all industrial wastewater is shipped offsite	Chapter 3, Page 3-2	None
☐	Facility is connected to POTW and discharges ***less than*** 25,000 gallons per day of industrial wastewater	Chapter 2, Page 3-5	None
☐	Facility is connected to POTW and discharges ***more than*** 25,000 gallons per day of industrial wastewater	Contact NHDES	Limited
☐	Facility discharges to surface waters, requiring an individual NPDES permit	Contact NHDES	Full

Printers on a Septic System

Printing facilities that have a private septic system must not discharge any industrial wastewater into that septic system. Only domestic wastewater (bathrooms, kitchens, etc.) may be discharged to a septic system.

Industrial (non-domestic) wastewater includes:

- aqueous-based plate chemistry,
- developers,
- rinsewaters,
- fixer processed through a silver recovery unit,
- fountain solutions, and
- screen cleaning water and solutions.

If you generate any industrial wastewater, you have the following disposal options:

- Collect the industrial wastewater in 55-gallon drums or a tank and then have it hauled away for disposal; or
- Collect the non-hazardous industrial wastewater in 55-gallon drums or a tank and then evaporate it on-site. When using this option, calculations for Regulated Air Toxic Pollutants must be performed before installing the evaporator.
- Treat industrial wastewater to meet required levels, collect treated wastewater in 55-
- gallon drums or a tank and dispose by one of the above listed methods.
- *Example*: Spent fixer may be treated with a silver recovery unit and then be hauled off-site as a non-hazardous industrial wastewater or be incinerated on-site.
- Contact the Underground Injection Control (UIC) Program within the NHDES Water Division at (603) 271-2858 for additional options.

All industrial wastewater that is considered hazardous waste (e.g., untreated fixer) must be shipped offsite under the guidelines explained in Chapter 5 of this W*orkbook*.

It is good practice to hang a sign near all prepress and printing area sinks warning employees not to put any industrial wastewater into those sinks. An example sign is in Appendix H.

STOP: PRINTERS ON SEPTIC SYSTEMS
GO TO CHAPTER 4

POTW Dischargers (less than 25,000 gallons per day)

You must notify your POTW that you intend to discharge (or already are discharging) into their system. The POTW may or may not issue a permit depending on their internal procedures. Table 1 on Page 3-5 lists the POTW contacts for each city and town in NH.

- Your POTW will have specific requirements for pollutant discharges that you must meet.
- Your POTW will forward you these requirements (either written or verbal) once you contact them.

In addition to your POTW's requirements, there are specific state prohibitions (items you cannot put down the drain) for all industrial dischargers:

Specific Prohibitions:

- pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, waste streams with a closed cup flashpoint of less than 140^{O} Fahrenheit or 60^{O} Centigrade using the test methods specified in 40 CFR 261.21;

- pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the POTW is specifically designed to accommodate such discharges;

- solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference with the flow or plant operations;

- any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW;

- heat in amounts which will inhibit biological activity in the POTW resulting in Interference, but in no case heat in such quantities that the temperature at the Treatment Plant exceeds 40 C (140 F) unless the Approval Authority, upon request of the POTW, approves alternate temperature limits;

- petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will ause interference or pass through;

- pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;

- any trucked or hauled pollutants, except at discharge points designated by the POTW.

STOP: PRINTERS THAT DISCHARGE LESS THAN 25,000 GALLONS PER DAY TO A POTW
GO TO CHAPTER 4

POTW Dischargers (More than 25,000 gallons per day)

Contact the NH DES Water Division at (603) 271-3505 for your specific requirements.

Facilities Discharging to Surface Waters

NH DES does not recommend that printers discharge to surface waters. Facilities that discharge to surface waters are required to receive an individual NPDES permit. Contact the NH DES Water Division's Groundwater Discharge Permits Coordinator at (603) 271-3644 for your specific requirements.

TABLE 1:
NEW HAMPSHIRE POTW CONTACTS

FACILITY	ADDRESS	CITY	CHIEF OPERATOR	PHONE
ALLENSTOWN WASTEWATER	36 CANAL STREET	ALLENSTOWN	DANA CLEMENT	485-2027
ANTRIM WASTEWATER	PO BOX 517	ANTRIM	JIM CRUTHERS	588-2433
ASHLAND WASTEWATER	2 COLLINS ST	ASHLAND	RUSSELL CROSS	968-7193
MONADNOCK PAPER WASTEWATER	117 ANTRIM RD	BENNINGTON	MIKE BUTLER	588-3311
BERLIN WASTEWATER	DEVENS ST EXT	BERLIN	MICKEY THERRIAULT	752-8563
MERRIMACK CTY HM WASTEWATER	325 D W HIGHWAY	BOSCAWEN	CAM CADARETTE	796-3255
ROCKINGHAM CTY HM WASTEWATER	116 NORTH RD	BRENTWOOD	JOHN HARNDEN	679-5335
BRISTOL WASTEWATER	71 LAKE ST	BRISTOL	JEFF CHARTIER	744-5400
CANAAN WASTEWATER	PO BOX 38	CANAAN	JOE DAMOUR	523-9280
OSSIPEE WASTEWATER	PO BOX 512	CENTRE OSSIPEE	JOSEPH MOULTON	539-7150
CHARLESTOWN WASTEWATER	PO BOX 385	CHARLESTOWN	DAVE DUQUETTE	826-5387
CLAREMONT WWTF	RR 2 BOX 404	CLAREMONT	JASON BECKWITH	543-0680
SULLIVAN CTY HM WASTEWATER	RR 1 BOX 392	CLAREMONT	DAVID DUQUETTE	542-9511
COLEBROOK WASTEWATER	10 BRIDGE ST	COLEBROOK	KEVIN McKINNON	237-5200
CONCORD WASTEWATER	125 HALL ST	CONCORD	MIKE HANSCOM	225-8691
PENACOOK WASTEWATER	125 HALL STREET	CONCORD	RICHARD ROY	753-9830
WALLIS SANDS ST PARK WW	PO BOX 856	CONCORD	BRENT EDMONDS	271-2602
MOUNT WASHINGTON ST PARK	PO BOX 856	CONCORD	BRENT EDMONDS	271-2606
CONWAY WASTEWATER	PO BOX 342	CONWAY	THOMAS STEELE	447-3376
DERRY WASTEWATER	40 FORDWAY ST	DERRY	CHARLES BUZZELL	432-6149
DOVER WASTEWATER	484 MIDDLE RD	DOVER	RAY VERMETTE	516-6475
DOVER SEWER DEPARTMENT	288 CENTRAL AVE	DOVER	BILL BOULANGER	743-6078
BEECH HILL HOSP WASTEWATER	PO BOX 254	DUBLIN	JOHN CRESSY	563-8511 X245
DURHAM WASTEWATER	13 NEWMARKET RD	DURHAM	DUANE WALKER	868-2274
ENFIELD SEWER DEPARTMENT	PO BOX 373	ENFIELD		632-4002
EPPING WATER & SEWER	157 MAIN STREET	EPPING	NORMAN DIONNE	679-5171
EXETER WASTEWATER	10 FRONT ST	EXETER	VICTORIA ABBEY	773-6157
FARMINGTON WASTEWATER	39 NORTH MAIN ST	FARMINGTON	DALE SPRAGUE	755-4883
TORY PINES WASTEWATER	740 SECOND NH TURNPIKE	FRANCESTOWN	JIM CRUTHERS	588-2433
FRANCONIA NOTCH ST PARK WW		FRANCONIA	TOD ODELL	823-5563
FRANKLIN WASTEWATER - WRBP	PO BOX 68, RIVER RD	FRANKLIN	KENNETH NOYES	934-4032
GLENCLIFF HOME WASTEWATER	PO BOX 77	GLENCLIFF	STEVE HATCH	989-3111
GOFFSTOWN SEWER DEPT	51 DEPOT STREET	GOFFSTOWN	MICHAEL YERGEAU	497-3617
ROCHESTER WASTEWATER	31 WAKEFIELD ST	GONIC	DAVID GREEN	332-8950

FACILITY	ADDRESS	CITY	CHIEF OPERATOR	PHONE
WASTE MANAGEMENT INC - TURNKEY	PO BOX 7065	GONIC	TY CORNEAU	330-2145
GORHAM WASTEWATER	6 LOWER MAIN ST	GORHAM	KURT JOHNSON	466-3104
EASTMAN SEWER COMPANY	PO BOX 4	GRANTHAM	IRENE HANSLIN	863-4444
GREENVILLE WASTEWATER	109 OLD WILTON RD	GREENVILLE	WILLIAM PETERSEN	878-2800
GROVETON WASTEWATER	2 STATE ST	GROVETON	RICHARD MARSHALL	636-1450
NORTHUMBERLAND WASTEWATER	2 STATE STREET	GROVETON	RICHARD MARSHALL	636-1450
DORR WOOLEN WASTEWATER	PO BOX 87	GUILD	JAMES ORROK SR	863-1195
HAMPTON WASTEWATER	100 WINNACUNNET	HAMPTON	STEVE ASLIN	926-4402
HANOVER WASTEWATER	PO BOX 483	HANOVER	WILLIAM MATHIEU	643-2362
HENNIKER WASTEWATER	2 DEPOT RD	HENNIKER	KEN LEVESQUE	428-7215
HILLSBORO WASTEWATER	PO BOX 7	HILLSBORO	PAUL DUTTON	464-5041
HINSDALE WASTEWATER	PO BOX 13	HINSDALE	ROBERT JOHNSON	336-5714
HOOKSETT WASTEWATER	1 EGAWES DRIVE	HOOKSETT	BRUCE KUDRICK	485-7000
CONTOOCOOK VIL. WASTEWATER	330 MAIN ST.	HOPKINTON	STEVE CLOUGH	746-3389
JAFFREY WASTEWATER - DPW	10 GOODNOW ST	JAFFREY	LEWIS GREGORY	532-6914
KEENE DEPT. OF PUBLIC WORKS	580 MAIN ST	KEENE	DONNA HANSCOM	357-9836
LACONIA PUMPING STATION	202 WATER ST	LACONIA	STEVE YOUNG	528-6746
LACONIA SEWER DIVISION	257 MESSER ST	LACONIA	BOB CUNNINGHAM	527-1266
LANCASTER WASTEWATER	25 MAIN ST	LANCASTER	TIM BILODEAU	788-2824
LANCASTER GRANGE WASTEWATER	25 MAIN ST	LANCASTER	TIM BILODEAU	788-3391
LINCOLN WASTEWATER	MAIN STREET	LINCOLN	PATRICK BUTLER	745-3829
LISBON WASTEWATER	45 SCHOOL ST	LISBON	TERRY WELCH	838-6027
LITTLETON WASTEWATER	PO BOX 413	LITTLETON	WILLIAM GILPATRIC	444-5400
MANCHESTER WASTEWATER	300 WINSTON ST	MANCHESTER	TOM COREY	624-6526
MERIDEN WASTEWATER	PO BOX 171	MERIDEN	BILL TAYLOR	469-3486
MERRIMACK WASTEWATER	PO BOX 235	MERRIMACK	LARRY SPENCER	883-8196
MILFORD WASTEWATER	1 UNION SQUARE	MILFORD	TOM NEFORAS	673-9441
MILTON WASTEWATER	TOWN OFFICE	MILTON	DALE SPRAGUE	653-9422
CENTRE HARBOR WASTEWATER	RR 1 BOX 255	MOULTONBORO	ARTHUR GLASKI	476-5670 (H)
SUNAPEE ST PARK WASTEWATER	PO BOX 2021	MT SUNAPEE	JIM FREEMAN	763-5110
NASHUA WASTEWATER	SAWMILL RD	NASHUA	RICK SEYMOUR	589-3560
GILSON ROAD GW REMEDIATION	57 GILSON RD	NASHUA	JOHN FRITSCH	882-3343
NEW BOSTON AFTS WASTEWATER	317 CHESTNUT HILL RD	NEW BOSTON	BRUCE LARRABEE	471-2332
NEW HAMPTON VILLAGE PRECINCT	PO BOX 506	NEW HAMPTON	JOSEPH POWERS Jr	744-8356 (H)
NEW LONDON SEWER DEPT	31 S PLEASANT ST	NEW LONDON	DOUG GAY	526-6411
NEWBURY WASTEWATER	PO BOX 296	NEWBURY	TIM MULDER	763-2121 (P)
NEWFIELDS WASTEWATER	PO BOX 301	NEWFIELDS	PETER HELLFACH	778-8213
NEWINGTON WASTEWATER	115 GOSLING RD	NEWINGTON	DENIS MESSIER	431-4111
NEWMARKET WASTEWATER	186 MAIN STREET	NEWMARKET	GEORGE LANEY	659-3093
NEWPORT WASTEWATER	15 SUNAPEE ST - SUITE 1	NEWPORT	ARNOLD GREENLEAF	863-4338
STRATFORD MILL HSE WW	RIVER STREET	NO, STRATFORD	DEBRA SMITH	922-5256
NORTH CONWAY WASTEWATER	BOX 630 SEAVEY ST	NO. CONWAY	PETER LaBONTE	356-5338
STRATFORD VILLAGE WW	RIVER STREET	NO. STRATFORD	DEBRA SMITH	922-5256
WOODSTOCK WASTEWATER	PO BOX 156	NO. WOODSTOCK	WILLIAM MELLET	745-8783
LOST RIVER RES. WASTEWATER	PO BOX 87	NO. WOODSTOCK	JERROLD WEST	745-8031
KEARSARGE REG HS WASTEWATER	457 NORTH ROAD	NORTH SUTTON	BRENT HERRING	927-4261
CARROLL CTY HOME WASTEWATER	ROUTE 171 BLDG. 2	OSSIPEE	ALAN SEQUIN	539-2282
PETERBOROUGH WASTEWATER	1 GROVE STREET	PETERBOROUGH	STEVE HODGE	924-8000
PIERMONT WASTEWATER	PO BOX 115	PIERMONT	JOHN METCALF	272-4372

FACILITY	ADDRESS	CITY	CHIEF OPERATOR	PHONE
PITTSBURG WASTEWATER	PO BOX 308	PITTSBURG	PAUL AMEY	538-6697
PITTSFIELD WASTEWATER	PO BOX 98	PITTSFIELD	RONALD VIEN	435-8857
PLYMOUTH VILLAGE W&S DIST.	227 OLD NO. MAIN ST.	PLYMOUTH	MAURICE GAUTHIER	536-2769 plt
PORTSMOUTH WASTEWATER	680 PEVERLY HILL RD	PORTSMOUTH	ART HOFFMAN	427-1553
PEASE INTL.TRD PORT WASTEWATER	680 PEVERLY HILL RD	PORTSMOUTH	ART HOFFMAN	427-1553
PORTSMOUTH SEWER MAINT. DIV.	680 PEVERLY HILL RD	PORTSMOUTH	JIM DONNISON	427-1530
STAR ISLAND	10 VAUGHAN MALL, SUITE #8	PORTSMOUTH	JOSEPH W WATTS	964-7252
FRANKLIN PIERCE WASTEWATER	PO BOX 60	RINDGE	JOE DAMOUR	899-4012
ROLLINSFORD WASTEWATER	PO BOX 174	ROLLINSFORD	JACK HLADICK	742-8124
WAKEFIELD - WOODARD & CURRAN	PO BOX 86	SANBORNVILLE	KEVIN FOLEY	522-3604
SANDWICH WASTEWATER	TOWN OFFICE	SANDWICH	ROBERT ROWAN	476-5670
SEABROOK WASTEWATER	PO BOX 456	SEABROOK	PHIL MALTAIS	474-8012
SOMERSWORTH WASTEWATER	157 MAIN ST	SOMERSWORTH	JAMIE WOOD	692-2418
SUNAPEE WASTEWATER	PO BOX 347	SUNAPEE	TIM MULDER	763-2121 (P)
SWANZEY SEWER COMM.	PO BOX 10009	SWANZEY	TOM HASTINGS	352-6550
TROY WATER & SEWER DEPT.	PO BOX 215	TROY	BRAD BEAUDOIN	242-3890
WARNER VILLAGE WATER DIST.	PO BOX 252	WARNER	JAMES BAILEY	456-3890
WATERVILLE VALLEY WW	TRIPOLI ROAD	WATERVILLE VAL	TIMOTHY KINGSTON	236-4781
WEARE WASTEWATER	TOWN OFFICE	WEARE	ROBERT PHILLIPS	529-1650
LEBANON WASTEWATER	130 SOUTH MAIN ST	WEST LEBANON	DON SCHAGEN	298-5986
CHESHIRE CTY HM WASTEWATER	201 RIVER ROAD	WESTMORELAND	ROBERT RIENDEAU	399-4912 X323
BETHLEHEM WASTEWATER	RR 1 BOX 152	WHITEFIELD	TERRY WELCH	869-3440
WHITEFIELD WASTEWATER	7 JEFFERSON ROAD	WHITEFIELD	WILLIAM ROBINSON	837-9871
BRETTON WOODS WASTEWATER	RR 1 BOX 152	WHITEFIELD	TERRY WELCH	846-5464
MT WASHINGTON HOTEL WW	RR 1 BOX 152	WHITEFIELD	TERRY WELCH	837-2332
WILTON WATER & SEWER DEPT.	TOWN OFFICE	WILTON		645-9451
WINCHESTER WASTEWATER	TOWN HALL	WINCHESTER	ARTHUR BOUDREAU	239-4132
SISTERS OF MERCY WASTEWATER	21 SEARLES ROAD	WINDHAM	EDWARD STOLARZ	893-6550
WOLFEBORO WASTEWATER	FILTER BED RD PO BOX 492	WOLFEBORO	JOHN CRAIGUE	569-2314 (P)
WOODSVILLE WASTEWATER	PO BOX 53	WOODSVILLE	ANTHONY ROY	747-3489

WASTEWATER TREATMENT PROCESS KEY

ABF - ACTIVATED BIOFILTER	PC - PHISIOCHEMICAL
AL - AERATED LAGOON	PS - PUMP STATION
ANR - ADVANCED NUTRIENT REMOVAL	RBC - ROTATING BIOLOGICAL CONTACTOR
AP - ADVANCED PRIMARY	RI - RAPID INFILTRATION
AS - ACTIVATED SLUDGE	SD – SUBSURFACE DISPOSAL
CL - CHLORINATION	SF - SAND FILTER
DC - DECHLORINATION	SI - SPRAY IRRIGATION
EA - EXTENDED AIR	SP - STABILIZATION POND
GW - GROUNDWATER RECHARGE	ST - SEPTIC TANK
IT - INHOFF TANK	TF – TRICKLING FILTER
N - NITROGEN REMOVAL	DC – DECHLORINATION
OD - OXIDATION DITCH	UV – ULTRAVIOLET DISINFECTION

TABLE 2:
BEST MANAGEMENT PRACTICES - WASTEWATER

The following best management practices are recommended for all printing facilities:

Film Processing

1. Do not use chrome-based film cleaners. They are a two part system that when mixed together form chromic acid.
2. Use formaldehyde free film chemistry, if available.
3. Test chemistry for activity prior to changing out in lieu of a routine changing schedule. A quality control device such as a gray scale with a half-tone pattern can be used for evaluation.
4. Periodically adjust unit for proper feed rate of fixer, developer, and wash water.
5. Properly maintain processing units.
6. Periodically check squeegee rollers for undue wear and hardness.
7. Use floating lids on storage containers for mixed working solutions to minimize waste and spoilage.
8. Use chemistry before expiration date and use the oldest chemistry first over newer chemistry.
9. Keep mixing area, apparatus, and containers clean. Use separate mixing containers for each type of chemistry.
10. Mix only enough chemicals to be used during its effective life.
11. Adopt Code of Management Practice for silver discharges.
12. Investigate purchasing developer, fixer, and wash water recycling units, if cost effective.
13. Investigate purchasing automatic mixing equipment, if cost effective.
14. Investigate using an image setter, if cost effective.
15. Investigate using direct-to-image carrier (e.g., plate, screen, etc,).
16. For tray processing, use a stop bath prior to immersing film into the fix solution.
17. For tray processing, use a squeegee to remove excess chemistry between baths.
18. For tray processing, cover containers when not being used.

Image Carrier Preparation

19. Do not use chrome-based plate cleaners. They are a two part system that when mixed together form chromic acid.
20. Test chemistry for activity prior to changing out in lieu of a routine changing schedule. A quality control device such as a gray scale with a half-tone pattern can be used for evaluation.
21. Periodically adjust unit for proper feed rate of developer, finisher, and wash water.
22. Properly maintain processing units.
23. Periodically check squeegee rollers for undue wear and hardness.
24. Use chemistry before expiration date and use the oldest chemistry first over newer chemistry.
25. Keep mixing area, apparatus, and containers clean. Use separate mixing containers for each type of chemistry.
26. Mix only enough chemicals to be used during its effective life.
27. For conventional lithographic plates, use aqueous-based plate development solution. Either recycle the spent chemistry, if appropriate, or properly dispose of it.
28. For waterless lithographic plates, do not discharge the spent chemistry. Either recycle the spent chemistry or properly dispose of it.
29. For bimetallic lithographic plates, do not discharge the spent chemistry.
30. For solvent-based plate developing solutions, do not discharge the spent chemistry. Either recycle the spent chemistry, if appropriate, or properly dispose of it.

31. Investigate purchasing wash water recycling units, if cost effective.
32. Investigate purchasing automatic mixing equipment, if cost effective.

Press and Post Press

1. Remove excess inks, coatings, glues, and fountain solution from equipment prior to cleaning in a sink.
2. Allowed to discharge _____ gallons of fountain solution per month.*
3. Allowed to discharge _____ gallons of water based coatings and glues per month.*
4. Allowed to discharge _____ gallons of wastewater from equipment component cleaning activities such as that generated from periodic plate cleaning.*
5. Water-based inks should be treated with micro/ultra filtration to remove color prior to discharging to POTW.
6. For lithographic fountain solutions, do not use concentrates containing chrome. This needs to be confirmed with supplier, as MSDS will not identify it as an ingredient.
7. For lithographic fountain solutions, establish water quality testing program for incoming water for better process control.
8. For lithographic fountain solutions, install, only if cost effective, an incoming water treatment system to eliminate incoming water quality fluctuations.
9. For lithographic fountain solution recirculating systems, install in-line filtration to reduce contamination due to paper debris, ink, and other contaminants.
10. For lithographic fountain solutions, install, only if cost effective, an automix system to provide for consistent press ready fountain solution.
11. For heatset web offset printing presses, install, only if cost effective, a closed loop chill roll cooling water system.
12. Remove excess ink from screens prior to cleaning in a sink.
13. Remove excess ink from equipment before cleaning in a sink.
14. Investigate feasibility of using high pressure wash systems to clean screens to eliminate degreasers, emulsions and haze removers
15. Install a water filtration system for ink particulates.

* Based on POTW limits